

Date: Fri, 15 Jan 93 04:30:03 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #14
To: packet-radio

Packet-Radio Digest Fri, 15 Jan 93 Volume 93 : Issue 14

Today's Topics:

 Communicating overseas with Radio...
 How to learn about packet?
 KA9Q and BELL 202 modem
 KISS protocol specification or description ? (2 msgs)
 Midwest Digital Conference '93
 Need info/advice on 9600 bps modems/radios (2 msgs)
 Packet-Radio Digest V93 #12
 WB7TPY Internet Gateway

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Jan 93 19:06:54 CST
From: usc!sdd.hp.com!caen!kuhub.cc.ukans.edu!christos@network.UCSD.EDU
Subject: Communicating overseas with Radio...
To: packet-radio@ucsd.edu

Hello there,

I am going abroad to a European Country, and I would like to know
if it is possible to communicate with some friends of mine via radio
broadcasting....Is there such a fascility in the USA? How can I get
information about that?

I appreciate any relevant response.

Feel free to send mail to:
Internet Address: rsl111@kuhub.cc.ukans.edu

Date: 14 Jan 93 16:33:27 GMT
From: naucse!nauvax.ucc.nau.edu!cvm@arizona.edu
Subject: How to learn about packet?
To: packet-radio@ucsd.edu

Can anyone recommend a good book or two (or other source of info) about packet.
I would like a good introduction/overview and some more details and technical
information. For example: I would like to know the details of the AX.25
protocol.

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: 14 Jan 93 23:18:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: KA9Q and BELL 202 modem
To: packet-radio@ucsd.edu

Can I use a surplus BELL 202 modem + KA9Q software and pc + radio to
form an complete AX.25 packet radio station? If possible, could someone help
me with 202 switch settings, software config and the like? TNX 73

Gary M. Patterson
AA4UR
patterso@anser.org

Date: Thu, 14 Jan 1993 21:06:37 GMT
From: rit!isc-newsserver!cep4478@cs.rochester.edu
Subject: KISS protocol specification or description ?
To: packet-radio@ucsd.edu

>is there anyone who could send me a specification or a
>description of the KISS protocol via e-mail ?

How about just a description:

At the 9th annual Computer Networking Conference in London, Ontario, a certain NOS developer called it a "brain-damaged protocol that never should have been invented". I thought it was funny, so I wrote it down. It's a good thing I did, too, because it somehow never made it into the conference proceedings.

: -)

Chris

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Christopher E. Piggott, WZ2B
President
Rochester Institute of Technology
Amateur Radio Club K2GXT

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Date: Fri, 15 Jan 1993 04:58:19 GMT
From: qualcom.qualcomm.com!servo.qualcomm.com!karn@network.UCSD.EDU
Subject: KISS protocol specification or description ?
To: packet-radio@ucsd.edu

In article <1993Jan14.210637.5119@ulb.rit.edu> cep4478@ulb.rit.edu (C.E. Piggott) writes:

>At the 9th annual Computer Networking Conference in London, Ontario,
>a certain NOS developer called it a "brain-damaged protocol that
>never should have been invented".

Well, it did get a reaction from the audience, didn't it?

Seriously, the KISS protocol was originally intended by K3MC and I to be a temporary stopgap that would let us get some on-air experience with early versions of my TCP/IP package before plug-in HDLC adaptors like the DRSI and PI cards were widely available. Obviously it has lived longer than we expected or intended it to.

Since we designed KISS specifically for TCP/IP, I didn't put in a frame level checksum or CRC -- the IP, TCP or UDP header checksums could protect against the (we thought) unlikely possibility of data corruption on the wire between the PC and the TNC. While this was valid given our assumptions, a surprising number of people started using KISS for plain vanilla AX25, which doesn't have an internal header checksum (it depends on the HDLC CRC, which is stripped off in the TNC). And because many hams were using old and slow PCs that couldn't keep up with the data rate on the KISS TNC port, there would be overruns and lost data.

All this says that if you have a PC you want to put on the air, the preferred approach is to buy one of the plug-in cards. Lacking that, install NS16550A chips in your PC's com ports; they have FIFOs that really help avoid lost data, especially on slower PCs.

Phil

Date: Thu, 14 Jan 1993 18:26:45 GMT
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!src.honeywell.com!
skyler.mavd.honeywell.com!estey@network.UCSD.EDU
Subject: Midwest Digital Conference '93
To: packet-radio@ucsd.edu

ATTENTION:
Please give this message the widest possible distribution.

14 January 1993

On Saturday, February 13th, the TwinsLAN Amateur Radio Club will sponsor Midwest Digital Conference '93 from Noon until 8 PM at the West River Point Business Center near downtown Minneapolis. This is the same day as the Midwinter Madness Hamfest so plan on attending the hamfest in the morning - and the Digital Conference in the afternoon and evening.

Emphasis for this second annual conference has been expanded to include all forms of digital communications: Packet; RTTY; AMTOR/APLINK; PACTOR and CLOVER. There will be plenty of information-packed sessions for both digital communications beginners and experts.

Sessions will cover topics such as:
Beginning Packet; Wide-Area-Networks; Tri-LINK; local services such as Metro-NET, CHAT nodes, and DX Clusters; PACTOR; Digital Signal Processing; AMTOR and APLINK; TCP/IP; Satellite Gateways; and Future Software. Some nationally renowned speakers like Karl Medcalf (Kantronics) will appear in person, others such as Joe Kasser (Lan-Link author) will make their presentations by teleconference - plus many local experts will be sharing their knowledge.

A superb dinner will be served from 5 to 6 PM - and will allow time to socialize with fellow packeteers from all over the Midwest. The dinner will conclude with a drawing for many valuable prizes. After dinner a SYSOP/NETOPS forum with ARRL Dakota Division Director Howard Mark as moderator will take place to allow sharing common concerns. The final activity of the conference will be a panel discussion to wrap-up the

various topics presented during the day. Throughout the conference, a software swap table will feature the latest shareware and public domain software.

Special reduced-price tickets are available for registrations made prior to the day of the conference. Only a limited quantity of tickets will be available at the Hamfest and at the conference door. For more information contact Paul Ramey, WG0G, 16266 Finland Avenue, Rosemount, MN 55068 or call (612) 432-1640 between 6 and 10 PM weekdays and 10 AM to 9 PM weekends.

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The nonsense here is of my own making - no one else would want credit!

Date: Thu, 14 Jan 1993 19:45:41 GMT
From: spsgate!mogate!newsgate!usenet@uunet.uu.net
Subject: Need info/advice on 9600 bps modems/radios
To: packet-radio@ucsd.edu

I'd like to try 9600 bps packet and would appreciate some advice on which modems and radios to consider. The local (Phoenix) 9600 activity is on 2M and is mostly TCP/IP, so I hear.

For a modem, TAPR has two versions (or at least did have)...the K9NG and their own that is K9NG/G8RUH compatible. The TAPR is quite a bit more expensive than the K9NG and I assume there's a reason for that. Is it worth the difference (about \$40, I think)? Are there any others I should consider? Price is a factor but I'd rather spend a bit more if there's a good reason to do so rather than just going for the lowest price. Kits would be fine, maybe even preferable.

I'm planning to use the modem with either a PK-88 or a 1270B...any advantages to one over another?

Now, for radios...I understand that your average 2M transceiver usually needs some mods to be usable for 9600 but am not clear on what the mods are or what they accomplish. An explanation of what is required, in general, would be appreciated. Any specific brand or model recommendations would also be helpful.

References to any books or magazine articles would be great, also.

Thanks and 73... Mark AA7TA

Date: Thu, 14 Jan 93 21:34:01 MST
From: usc!cs.utexas.edu!asuvax!ennews!stat!david@network.UCSD.EDU
Subject: Need info/advice on 9600 bps modems/radios
To: packet-radio@ucsd.edu

markm@bigfoot.sps.mot.com (Mark Monninger) writes:

> I'd like to try 9600 bps packet and would appreciate some advice on which
> modems and radios to consider. The local (Phoenix) 9600 activity is on 2M
> and is mostly TCP/IP, so I hear.

Well, since I'm part of that crowd, I'll tell you what most people are using. Most of the members of the group (except for myself) are running convert Motorola Mitrek radios, MFJ TNC's, with the K9NG modem from TAPR (which I understand is not available anymore) ... I'm the different one in the group. I run a modified Icom IC-290H, a Kantronics DataEngine, with the Kantronics 19.2 / 9600 baud G3RUH modem. The second port of my Dataengine is also another G3RUH modem, which is using a convert Motorola Mocom 35 @ 438 mhz for the link to the AX25 backbone.

In Phoenix, there is also a digipeater on White Tanks Mountain @ 9600 baud for ax25 use, I forgot the frequency.

David

Internet: david@stat.com FAX: +1 (602) 451-1165
Bitnet: ATW1H@ASUACAD FidoNet=> 1:114/15
Amateur Packet ax25: wb7tpy@wb7tpy.az.usa.na

Date: 14 Jan 93 13:14:27 GMT
From: news-mail-gateway@ucsd.edu
Subject: Packet-Radio Digest V93 #12
To: packet-radio@ucsd.edu

How on earth do I unsubscribe from this list, thank you.

Date: 15 Jan 93 06:22:24 GMT
From: news-mail-gateway@ucsd.edu

Subject: WB7TPY Internet Gateway
To: packet-radio@ucsd.edu

Recently I sent a e-mail message to the WB7TPY internet gateway destined for a ham friend in Arizona. If anyone can help me out, I have a few questions...

- 1) If my friends packet system is not available, how long will the WB7TPY system hold my message?
- 2) Being a quasi-ham (awaiting my ticket), im not sure if the message will automatically be forwarded to to my friend or is the message saved on a BBS that my friend must sign on to?
- 3) Is it legal for a non-ham to send messages in this manner to a ham? I would think so because the WB7TPY is the station operating in the ham bands and not me...Am I right?
- 4) What kind of area does this WB7TPY gateway cover?
- 5) Where can I get more info on similar internet gateways?
- 6) I am interested in Internet-packet DXing with people in other countries. Does anyone know of internet gateways in other countries?

Thanks in advance for any info...

Hank Eggers Internet: heggers@eis.calstate.edu

End of Packet-Radio Digest V93 #14
